

IMPREGNATION

Impregnation is a two-component, low-viscosity solvent containing epoxy impregnation material. It may be used as a sealer and surface hardener for cementitious materials, to eliminate dusting and give enhanced resistance to oils, water, abrasion and chemical attack (for example, in factories, garages, car parks, warehouses, plant rooms, etc.) or as an impregnating primer for certain other coatings. Impregnation greatly improves the abrasion resistance of concrete making it ideal for use on high traffic industrial floors.

INDUSTRIAL FINISH
GIVES CONCRETE A PERMANENTLY 'DAMP' APPEARANCE
ELIMINATES SURFACE DUSTING
EXCELLENT ABRASION RESISTANCE
IMPROVES OIL AND CHEMICAL RESISTANCE
EASIER FLOOR MAINTENANCE

TECHNICAL INFORMATION

FORM: Clear to Pale Straw Liquid

VISCOSITY: Approx. 25cps (20°C)

FLASH POINT: 25 - 28°C (solvent based)

DENSITY: 0.96 approx.

NUMBER OF COATS: 2 - 3

APPLICATION

MAX SUBSTRATE RH: 90%

MIN TEMP: 5°C

MAX TEMP: 35°C

POT LIFE: Maximum 12 hours at 15°C

INITIAL CURE (TACK FREE): Approx. 2 - 6 hours

FINAL CHEMICAL CURE: 5 days at 20°C

INTERCOAT TIME: 12 - 24 hours

SERVICE TEMP: -30°C to +60°C

TRAFFIC TIME: 24 - 48 hours
(depending on temp.)

CONSUMPTION: As a guide for typical dense concrete, 1L Larseal Impregnation will be sufficient to treat approx. 6-10m²/coat.

Both the resin and hardener components of Larseal Impregnation contain solvents, and are flammable.

DIRECTIONS FOR USE:

PREPARATION

The surface to be treated should be thoroughly cleaned so that it is free from mortar droppings, oil, grease, tyre marks, paint, or other surface coatings. After cleaning, the surface should be allowed to dry out thoroughly in order to allow for maximum absorption of the Impregnation. Mechanical preparation is not essential. Any marks or stains left on the floor will become permanent. New floors should be fully cured and then allowed to dry out before treatment – min. 14 days.

MIXING

Impregnation comprises of two components – the resin and the hardener, which are mixed in equal proportions by volume. When required for application, the total contents should be poured into a plastic or metal bucket and thoroughly mixed. It is recommended to mix with a slow speed drill and paddle for a minimum of 3 minutes.

APPLICATION

Impregnation should be spread evenly with a short pile roller to avoid the formation of puddles. As much sealer should be applied as the surface will absorb without superfluous material remaining on the surface. The correct application rate will depend very much upon the porosity of the concrete and should be determined on a small test area before large scale application. A second coat should be applied similarly, 12-24 hours after application of the first coat. A third coat may be necessary to give the required in-surface seal on porous substrates, but on typical good quality dense concrete, two coats will normally be adequate. It is important that the area is well ventilated to allow efficient evaporation of the solvent, particularly at low application temperatures. The surface can typically be opened to foot traffic on the following day and to normal traffic two days later (15°C).

RESTRICTIONS

Impregnation is flammable and it is essential that during the application, the area is well ventilated to prevent the build-up of solvent fumes. 'No Smoking' notices should be displayed. Paintwork and plastic fittings should be protected. Read MSDS before use. All work should be carried out using current best practice paint techniques. Rate of cure will be affected by ambient and substrate temperatures. Curing will be slower at low temperatures and faster at higher temperatures. Wetting of the surface during the first 5-7 days after application may result in white patches – 'blooming'. It is recommended to carry out trial areas to assess suitability for use in terms of aesthetics, application rate, slip resistance, etc, before use. As with most Epoxies, Larseal Impregnation will have a tendency to yellow particularly on exposure to UV light, this should be borne in mind when it is applied to light coloured substrates or areas where final aesthetics are critical.

CLEANING

Clean tools, equipment, etc. using suitable cleaning solvent.

STORAGE

Impregnation should be stored in closed containers protected from extremes of temperature.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

10L packs.